

03. $f\left(\frac{x-1}{x+1}\right) = 2x+1$ 일때, $f(2)$ 과 $f(3)$ 을 각각 계산하라.

$$\frac{x-1}{x+1} = 2, \quad x-1 = 2(x+1), \quad x-1 = 2x+2, \quad x = -3, \quad f(2) = 2x(-3)+1 = -6+1 = -5.$$

$$\frac{x-1}{x+1} = 3, \quad x-1 = 3(x+1), \quad x-1 = 3x+3, \quad 2x = -4, \quad x = -2, \quad f(3) = 2x(-2)+1 = -4+1 = -3 \text{ 이다.}$$

$$\Rightarrow f(2) = -5, \quad f(3) = -3 \text{ 이다.}$$